

GenCore version 4.5
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OM protein - protein search, using SW model

Run on: November 21, 1999, 09:46:02 : Search time 12.61 seconds
(without alignments)
308.925 Million cell updates/sec

Title: US-09-126-945-2

Perfect score: 1785580355VSFSLHLP.....GIIRNPDISONLYOTVMPFI 335

Sequence: 1785580355VSFSLHLP.....GIIRNPDISONLYOTVMPFI 335

Scoring table: BLOSUM62

Searched: 122436 seqs, 11628473 residues

Database: 1 Issued_Patents_AA:*
1: /cgn2.6/prodata/1/1se/59_CONM pep:*
2: /cgn2.6/prodata/1/1se/59_CONM pep:*
3: /cgn2.6/prodata/1/1se/PC1035_CONM pep:*
4: /cgn2.6/prodata/1/1se/PC1035_CONM pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	262.5	14.7	581	1	US-08-368-281-4 Sequence 4, Appl
2	242	13.6	521	1	US-08-368-281-4 Sequence 2, Appl
3	240.5	13.5	371	2	US-08-746-789-2 Sequence 2, Appl
4	236.5	13.2	80	2	US-08-469-412-15 Sequence 15, Appl
5	224	12.5	555	2	US-08-780-835-2 Sequence 2, Appl
6	219	12.3	79	2	US-08-469-412-12 Sequence 12, Appl
7	209.2	11.7	8	2	US-08-469-412-13 Sequence 13, Appl
8	194.5	10.9	548	2	US-08-469-412-7 Sequence 7, Appl
9	194.5	10.9	548	2	US-08-469-412-7 Sequence 7, Appl
10	184.5	10.3	78	2	US-08-469-412-11 Sequence 11, Appl
11	183.5	10.2	78	2	US-08-469-412-11 Sequence 11, Appl
12	182.5	10.2	78	2	US-08-469-412-11 Sequence 11, Appl
13	166	9.5	81	2	US-08-469-412-15 Sequence 15, Appl
14	99	5.5	1618	1	US-07-853-913-4 Sequence 4, Appl
15	96	5.4	776	2	US-08-700-607-5 Sequence 5, Appl
16	90	5.0	2035	1	US-08-046-585-5 Sequence 5, Appl
17	90	5.0	2035	1	US-08-046-585-5 Sequence 5, Appl
18	89.5	5.0	852	2	US-08-308-114-5 Sequence 5, Appl
19	89.5	5.0	852	2	US-08-308-114-5 Sequence 5, Appl
20	89.5	5.0	852	2	US-08-308-114-5 Sequence 5, Appl
21	87.5	4.9	1711	2	US-08-059-0355-2 Sequence 2, Appl
22	86.5	4.8	1805	1	US-07-353-111-4 Sequence 4, Appl
23	84.5	4.7	821	1	US-08-368-281-4 Sequence 4, Appl
24	84.5	4.7	821	1	US-08-368-281-4 Sequence 4, Appl
25	84.5	4.7	821	1	US-08-368-281-4 Sequence 4, Appl
26	83.5	4.7	731	2	US-08-313-185-15 Sequence 15, Appl
27	83.5	4.7	731	2	US-08-313-185-15 Sequence 15, Appl
28	83	4.6	617	1	US-08-546-714-13 Sequence 13, Appl
29	82.5	4.6	2629	2	US-08-251-189-4 Sequence 4, Appl
30	82.5	4.6	2629	2	US-08-251-189-4 Sequence 4, Appl
31	82	4.5	1257	1	US-08-056-444-2 Sequence 2, Appl
32	80	4.5	343	2	US-08-472-928-49 Sequence 49, Appl
33	80	4.5	1247	2	US-08-340-628-10 Sequence 10, Appl
34	80	4.5	1247	2	US-08-340-628-10 Sequence 10, Appl
35	79.5	4.5	2414	1	US-08-322-538-2 Sequence 2, Appl
36	79.5	4.5	2414	1	US-08-322-538-2 Sequence 2, Appl
37	79.5	4.5	2414	1	US-08-322-538-2 Sequence 2, Appl
38	78	4.4	460	1	US-08-280-709-1 Sequence 1, Appl
39	78	4.4	460	1	US-08-280-709-1 Sequence 1, Appl

ALIGNMENTS

```

RESULT 1
US-08-368-281-4
Sequence 4, Appl
US-08-368-281-4
GENERAL INFORMATION:
APPLICANT: Libermann, Towle A
APPLICANT: Oetgen, Joerg P
APPLICANT: Kunsch, Charles A
TITLE OF INVENTION: NERF Genes
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESS: Sankarling Beecham Corporation
CITY: King of Prussia
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: GENCOM, Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/368,281
FILING DATE:
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Baumliester, Kirk
REGISTRATION NUMBER: 33,833
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-370-5090
FAX: 610-370-5098
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 581 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-368-281-4
Query Match 14.7%: Score 262.5, DB: 1, Length 581;
Best Local Similarity 25.2%: Pred. No. 1.7e-17;
Matches 83; Conservative 52; Mismatches 108; Indels 87; Gaps 10;

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Db 192 ---KGNTLYWEFLDLDDKQNTCPYIKTKTQREGEFTFLYDLSAVASLTKGKHKRKPDN 248
 Oy 302 YUKLSSTIRYOYKGIIRKPDISORLYOF 331
 Db 249 YEMGRALNTYTOIGLAKVE--GORLYTOF 277

RESULT 2
 US-08-368-281-2
 / Sequence 2, Application US/08368281
 / Patent No. 771113
 / INVENTOR: KUNSCHE, CHARLES A
 / APPLICANT: Oetiger, Joseph P
 / APPLICANT: Kunisch, Charles A
 / TITLE OF INVENTION: NERF GENE
 / NUMBER OF SEQUENCES: 9
 / CORRESPONDENCE ADDRESS:
 / STREET: 709 SULLYLINE Road
 / CITY: King of Prussia
 / STATE: Pennsylvania
 / COUNTRY: USA
 / ZIP: 19406
 / COMPUTER READABLE FORM:
 / MEDIUM TYPE: floppy disk
 / OPERATING SYSTEM: DOS
 / SOFTWARE: PATENT RELEASE #1.0, Version #1.25
 / CURRENT APPLICATION DATA:
 / FILING DATE: US/08/368,281
 / CLASSIFICATION: 424
 / ATTORNEY/AGENT INFORMATION:
 / REGISTRATION NUMBER: 113, 833
 / TELECOMMUNICATION INFORMATION:
 / TELEPHONE: 610-270-5096
 / TELEFAX: 610-270-5096
 / INFORMATION FOR SEQ ID NO: 2:
 / SEQUENCE CHARACTERISTICS:
 / TYPE: amino acids
 / LENGTH: 521
 / TOPOLOGY: linear
 / MOLECULE TYPE: protein
 / US-08-368-281-2

Query Match 13.6% Score 242; DB 1; Length 521;
 Best Local Similarity 25.3%; Pred. No. 1,48-15;
 Matches 86; Conservative 45; Mismatches 72; Indels 78; Gaps 8;
 Oy 99 OAPAGSLDLYVGLLEHRS-----LEQSNWYGE--VYKD----- 134
 Db 7 EEPYMODLILRAVEASVSSNAHCTKTETAEALMLNESPTCLDRSDSPETIAHARR 66
 Oy 134 ---ETACLTILITADPMWSSPNOKWMLTEHQYRLPQKAFKFORLAGRELCAMSEDO 190
 Db 67 DYITETVYEVSTSESPMDISF-----IPTSDSHEPMKKK--VGKRP 108
 Oy 191 FQSPSPGIDVLAHLDIKMSAAMKERTSPGAIHYCASTSESNWDSVSDSCSGOPRI 250
 Db 109 KTOOSPSNG-----SPELGIKKRPRG-----KNTTY 137
 Oy 251 LMQFLKLLKPHSYGRFIMLNKKGIRKTESQAVARLMLGIRKRPANMYDKLSSTR 310
 Db 138 LMFLDLDDKQNTCPYIKTKTQREGEFTFLYDLSAVASLTKGKHKRKPDN 197
 Oy 331 OYKKGIRKPDISORLYOF 331
 Db 198 YYOGRGLAKVE--GORLYTOF 217

RESULT 3
 US-08-746-789A-2
 / Sequence 2, Application US/08746789A
 / Patent No. 5789200
 / GENERAL INFORMATION:
 / APPLICANT: Ismail, Kola, Martin J, Tymms, Christine Debouck
 / TITLE OF INVENTION: A No. 5789200el Human Eris Family Member, ELRF3
 / NUMBER OF SEQUENCES: 4
 / CORRESPONDENCE ADDRESS:
 / STREET: 709 SULLYLINE Road, P.O. Box 1539
 / CITY: King of Prussia
 / STATE: PA
 / COUNTRY: USA
 / ZIP: 19406-0939
 / COMPUTER READABLE FORM:
 / MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
 / OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
 / SOFTWARE: MICROSOFT WORD
 / CURRENT APPLICATION DATA:
 / FILING DATE: US/08/746,789A
 / APPLICATION NUMBER: No. 5789200ember 15, 1996
 / CLASSIFICATION: 514
 / ATTORNEY/AGENT INFORMATION:
 / NAME: William T. Han
 / REGISTRATION NUMBER: 34,344
 / REFERENCE/DOCKET NUMBER: ATG 50024
 / TELECOMMUNICATION INFORMATION:
 / TELEPHONE: 610-270-5219
 / TELEFAX: 610-270-5219
 / INFORMATION FOR SEQ ID NO: 2:
 / SEQUENCE CHARACTERISTICS:
 / LENGTH: 371
 / TYPE: Amino Acid
 / TOPOLOGY: linear
 / US-08-746-789A-2

Query Match 13.5% Score 240.5; DB 2; Length 371;
 Best Local Similarity 22.4%; Pred. No. 1,26-15;
 Matches 87; Conservative 55; Mismatches 95; Indels 151; Gaps 15;
 Oy 55 LSAFLYTFDMYEPDSWMAKAPASREPEPEECQPYIDQAPAGSLDLYVPGGLTL 114
 Db 7 ISNIFSNIFSNISSEDSILSVPAATFAD-----DLY---LTL 44
 Oy 115 E--EHSLEQV--SNWYGEYADLETACLTILITADPMWSSPNOKWML--TEHQYRLP 169
 Db 45 SNQMSLEGTETKASLGE-----QQKNSKTOYVLDISYQKRNKTAS 88
 Oy 170 PCKARDELAKRELCAMSEDOFR--ORSPYLGSDVLAHML--DIKMSA--ANN----- 216
 Db 89 ALDPSCKMDGATLCNCALETLVFPFL--GQULHMDRLUTSSSDLSMILIELLEKDG 147
 Oy 216 ---KERTSPGAIHYCASTSESNWDSVSDSCSGOPRI-----SCS----- 206
 Db 148 MAQVALDPEPDGSPFADLDDGQASPIHPSGCMGASPSQSDVSTAGTASRSS 247
 Oy 246 -----COP----- 249
 Db 208 HSDSGGSDVLDLPTDKLPSPDGRCKKQDPMAKHKRGRPRKLSKEYWDLLEGKRS 267
 Oy 249 ---ILMQFLKLLKPHSYGRFIMLNKKGIRKTESQAVARLMLGIRKRPANMYD 303
 Db 268 HAPRTGLMEFIDLIHPRLNGLKMMENHSGVYTKLSASVADMDQKNSKNTTE 327
 Oy 304 KLSRSIQYKKGIRKPDISORLYOF 331

Db 328 KLSRAMRYKREILERVD-CRLVYHF 354

US-08-469-412A-15
Sequence 15: Application US/08469412A
Filing Date: 05-JUN-1995

GENERAL INFORMATION:

APPLICANT: Navothalassalts, George J.
APPLICANT: Blair, Donald G.
APPLICANT: Fisher, Robert J.
APPLICANT: Beal Jr., Gregory J.
APPLICANT: Athanasiou, Metropi A.
APPLICANT: Sgouras, Dionysios N.
TITLE OF INVENTION: The ERF Genetic Locus and Its Products
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESS: Two Embardadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
SOFTWARE: GENESYS/MS-DOS
SOFTWARE: Patent Release 11.0, Version 11.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,412A
FILING DATE: 05-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Garetet-Wackowski, Eugenia
REGISTRATION NUMBER: 37,330
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:
LENGTH: 80 amino acids
TYPE: amino acid
STANDARDS: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Domain
LOCATION: 1..80
OTHER INFORMATION: /note="E74 homologous region to
OTHER INFORMATION: ets-like ERF DNA-binding domain"
US-08-469-412A-15

Query Match 13.24: Score 236.5; DB 2: Length 80;

Best Local Similarity 53.14: Pred. No. 2.86-16;

Matches 43: Conservative 16; Mismatches 21; Indels 1; Gaps 1;

Db 231 LMQIFKLLLRPHSYGRFIRMLNKKGIKRIEDSAQVAVLGMIRKRNPMANTXLSRSR 310

1 LMQLFLLQDREYCRFKIRKTRKAGYRLVDSKAVSLMGRHNNKPMANTLETMRALR 50

311 QYKKKGIKRPDISORLTYOF 331

61 YYYORGILAKVD-CORLYVHF 80

RESULT 5

US-08-780-835B-2

Sequence 2: Application US/08780835B
Filing Date: 05-JUN-1995

GENERAL INFORMATION:

APPLICANT: Hung, Mien-Chle

APPLICANT: Xing, Xiangming
TITLE OF INVENTION: PE43 Is a Tumor Suppressor

NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESS: ARNOLD, WHITE AND DURREE
CITY: P.O. BOX 4433
STATE: Texas

COUNTRY: USA
ZIP: 77120-4433

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release 11.0, Version 11.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/780,835B
FILING DATE: 10-JAN-1997
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Wilson, Mark B.
REGISTRATION NUMBER: 37,259
REFERENCE/DOCKET NUMBER: UTSC500
TELEPHONE: (512) 418-3000
TELEFAX: (512) 418-3000
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 555 amino acids
TYPE: amino acid
STANDARDS: single
TOPOLOGY: linear

US-08-780-835B-2

Query Match 12.54: Score 224; DB 2: Length 555;

Best Local Similarity 23.84: Pred. No. 9.38-14;

Matches 117: Conservative 38; Mismatches 126; Indels 208; Gaps 24;

Db 12 SPSHLPLPDVSRVSR-----GLEKAAAGAVGLER----- 42

40 SGEAHEPAPAPAPQTPGVOVSARGPVGAGSGMERKRGYLDQRPVTFCSKPG 99

42 -----DMSRPATPE---QGLAFYLFDMKLYPDSMAKA----- 78

100 NSGLGALVYPOGLMDPGSLPDSSEDLFDLSHF-----GETVLAEQVDS 148

78 -----PGASREPP-----EEPPQC-----PYID 97

149 DQCFVPFHSENLAFHSPTIRKREPSQRTDPAKSCSRPPLPYNHGQCLYSRQAIK 208

98 SQAPAGSLDLYPGGLTLEHS-LEQVSVYAGVYLKDIETKALL-----NITADPPDSR 152

209 SPAPG-----APQSPFLPSPADQDQLAASSSSQSHGNGVLEHSHVFGQPYDC- 263

153 SIVQWMLTWTEHOVRLP-----PGKAGFQELAGKELCAASECFQR- 195

263 -----HSTFSPGGGREGPPAPPPHQLSECPYPOQNKQGYHDPLYLEQAGCP 211

195 -SPGLGVLIAHLDIKSNAMKERTS-----PGAIHYCAST-----SEESKDS 239

312 ASDQD--VSQHRYPAGAVYVIGERTDFAYDSVQ--CAHWLHPREGSGSPGQGV 365

240 V-----DSAC-----SGQP-----THMQFLKELLRK 262

366 MGYGKSLRPFPPDVCIVPKFEDDKQEGIAFREGPYORNGALQLOFLVALDDP 425

263 HSYGAFIRMLNKKGI-FKIEDSAQVAVLGMIRKRNPMANTXLSRSIRQYKKGIRK 321

426 -TNAHPLANTG--RQDEPKLIEPESVAVLGMIRKRNPMANTXLSLNTYITENGIMQV 482

322 DISORLTYOF 332

Db 483 -AGERYVYKFV 492

RESULT 6
US-08-469-412A-12
Sequence 12, Application US/08469412A

Patient No. 5856125
GENERAL INFORMATION:
APPLICANT: Mavrothalassitis, George J.

APPLICANT: Blair, Donald G.
APPLICANT: Fisher, Robert J.
APPLICANT: Beal Jr., Gregory J.

APPLICANT: Athanasios, Meropi A.
APPLICANT: Athanasios, Meropi A.
TITLE OF INVENTION: The ERF Genetic Locus and Its Products
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: US#834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,412A
FILING DATE: 05-JUN-1995
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: Garrett-Mackowski, Eugenia
REGISTRATION NUMBER: 37,330
REFERENCE/DOCKET NUMBER: 015280-229000

TELEPHONE: (415) 776-0200
TELEFAX: (415) 776-0300
INFORMATION FOR SEQ ID NO: 12:

SEQUENCE CHARACTERISTICS:
LENGTH: 79 amino acids
TYPE: amino acid
STRANDEDNESS:

TOPOLOGY: linear
FEATURE:
MOTIF TYPE: peptide

NAME/KEY: Domain
LOCATION: 1..79
OTHER INFORMATION:

OTHER INFORMATION: /note="Elk1 homologous region to
etc-like ERF DNA-binding domain"

US-08-469-412A-12

Query Match 12.3% Score 219 DB 2 Length 79;
Best Local Similarity 53.1% Pred. No. 1,4e-14;
Matches 43; Conservative 14; Mismatches 22; Indels 2;

QY 251 LMQFLKELLKPHSYGRFIRMLNKGIKIEDSAQVARKMGIRKRRPAMNYDKLSRSI 310
Db 1 LMQFLKELLKPHSYGRFIRMLNKGIKIEDSAQVARKMGIRKRRPAMNYDKLSRSI 310

OY 311 OYKYGKIRKPDISORLYOF 331
Db 60 YYDKNIRKVS-GQREYVYKF 79

RESULT 7
US-08-469-412A-13
Sequence 13, Application US/08469412A

Patient No. 5856125
GENERAL INFORMATION:

APPLICANT: Mavrothalassitis, George J.

APPLICANT: Blair, Donald G.
APPLICANT: Fisher, Robert J.
APPLICANT: Beal Jr., Gregory J.

APPLICANT: Athanasios, Meropi A.
APPLICANT: Athanasios, Meropi A.
TITLE OF INVENTION: The ERF Genetic Locus and Its Products
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: US#834
ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA: US/08/469,412A
APPLICATION NUMBER: 08-JUN-1995
FILING DATE: 05-JUN-1995
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: Garrett-Mackowski, Eugenia
REGISTRATION NUMBER: 37,330
REFERENCE/DOCKET NUMBER: 015280-229000

TELEPHONE: (415) 776-0200
TELEFAX: (415) 776-0300
INFORMATION FOR SEQ ID NO: 13:

SEQUENCE CHARACTERISTICS:
LENGTH: 78 amino acids
TYPE: amino acid
STRANDEDNESS:

TOPOLOGY: linear
FEATURE:
MOTIF TYPE: peptide

NAME/KEY: Domain
LOCATION: 1..78
OTHER INFORMATION:

OTHER INFORMATION: /note="Pea3 homologous region to
etc-like ERF DNA-binding domain"

US-08-469-412A-13

Query Match 11.7% Score 209 DB 2 Length 78;
Best Local Similarity 56.1% Pred. No. 1.2e-13;
Matches 46; Conservative 13; Mismatches 18; Indels 5; Gaps 4;

QY 251 LMQFLKELLKPHSYGRFIRMLNKGIKIEDSAQVARKMGIRKRRPAMNYDKLSRSI 309
Db 1 LMQFLKELLKPHSYGRFIRMLNKGIKIEDSAQVARKMGIRKRRPAMNYDKLSRSI 309

OY 310 ROYKKGIRKPDISORLYOF 331
Db 58 RYKKGIRKPDISORLYOF 331

US-08-469-412A-14
Sequence 14, Application US/08469412A

Patient No. 5856125
GENERAL INFORMATION:

APPLICANT: Mavrothalassitis, George J.

APPLICANT: Blair, Donald G.
APPLICANT: Fisher, Robert J.
APPLICANT: Beal Jr., Gregory J.

APPLICANT: Athanasios, Meropi A.
APPLICANT: Athanasios, Meropi A.
TITLE OF INVENTION: The ERF Genetic Locus and Its Products
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Crew LLP

```

STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,412A
FILING DATE: 05-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION: Eugeneia
REGISTRATION NUMBER: 37,330
TELECOMMUNICATION INFORMATION: 015280-229900
TELEPHONE: (415) 576-0300
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 81 amino acids
STRANDEDNESS: acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Domain
LOCATION: 1..81
OTHER INFORMATION: /note="Yan homologous region to
OTHER INFORMATION: ets-like DNA-binding domain"
US-08-469-412A-14

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Query Match 11.0% Score 196; DB 2; Length 81;
Best Local Similarity 47.6% Pred. No. 2,6e-12;
Matches 39; Conservative 16; Mismatches 25; Indels 2; Gaps 2;

OY 251 LMOFLKELL-LKPHSGFRIMLNKENGKFIKEDSQVAKLMGIRKRNPMHTKLSRSI 309
DB 1 LMOFLKELLNDKLNOKNSDLNKNCKDQVKNLYVDKQAKLMGIRKRNPMHTKLSRSI 60
OY 310 ROYKKGKIRKPDISORLYOF 331
DB 61 RYRYRVNLIKRYO-CERHCYOF 81

RESULT 9
US-08-469-412A-2
Sequence 7, Application US/08469412A
Patent No. 5856125
GENERAL INFORMATION:
APPLICANT: Mavorolmasatl's, George J.
APPLICANT: Blair, Donald G.
APPLICANT: Fisher, Robert J.
APPLICANT: Beal Jr., Gregory J.
APPLICANT: Athanasios, Metropi A.
APPLICANT: Sgouras, Dionysios N.
TITLE OF INVENTION: The ERF Genetic Locus and Its Products
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS

```

```

SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,412A
FILING DATE: 05-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION: Eugeneia
REGISTRATION NUMBER: 37,330
TELECOMMUNICATION INFORMATION: 015280-229900
TELEPHONE: (415) 576-0300
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 348 amino acids
STRANDEDNESS: acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-469-412A-2

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Query Match 10.9% Score 194.5; DB 2; Length 548;
Best Local Similarity 47.3% Pred. No. 7.1e-11;
Matches 43; Conservative 13; Mismatches 32; Indels 3; Gaps 3;

OY 241 DSSCSGQPHLMOPFLKELKPHSGFRIMLNKENGKFIKEDSQVAKLMGIRKRNPM 300
DB 19 ESSPSQHQIQMLHEILFLER-EYQGVAVM-ODDYGFEVYKNDPEVAVRKMVCKKPM 76
OY 301 NYDKLSIRQYKGIIRKPDISORLYOF 331
DB 77 NDKLSRALNRYKRNKRLIKTK-GARFTTF 106

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RESULT 10
US-08-469-412A-7
Sequence 7, Application US/08469412A
Patent No. 5856125
GENERAL INFORMATION:
APPLICANT: Mavorolmasatl's, George J.
APPLICANT: Blair, Donald G.
APPLICANT: Fisher, Robert J.
APPLICANT: Beal Jr., Gregory J.
APPLICANT: Athanasios, Metropi A.
APPLICANT: Sgouras, Dionysios N.
TITLE OF INVENTION: The ERF Genetic Locus and Its Products
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,412A
FILING DATE: 05-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION: Eugeneia
REGISTRATION NUMBER: 37,330
TELECOMMUNICATION INFORMATION: 015280-229900
TELEPHONE: (415) 576-0300
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 343 amino acids

```

TYPE: amino acid
STRANDEDNESS: 1
TOPOLOGY: 1linear
MOLECULE TYPE: protein
FEATURE: protein
LOCATION: 1-78
OTHER INFORMATION: /note- "amino ERF amino acid sequence (first 8 amino acids from first exon not included)"
US-08-469-412A-7

Query Match Best Local Similarity 10.9%; Score 194.5; DB 2; Length 543;
Matches 43; Conservative 13; Mismatches 32; Indels 3; Gaps 3;

DB 241 DSSCGOPHLMQFKLLKPKHSPYRIRMLKNEKGIKRIEDSAQVARIKRNKPNAM 300
DB 11 ESSGSGNOJOLHMFETLTLRK-ETSYGVIAV-OQDGYEIVIKDPDEVARILMGVCKRPM 68
QY 301 NMDLSRIRYKRGKIRKPDISOALTYOF 331
DB 69 NYDLRSLRIRYKRNILKTR-GRKFTYF 98

RESULT 11
US-08-469-412A-10
Sequence 10; Application US/08469412A
Patent No. 5856125
GENERAL INFORMATION:
APPLICANT: Mavrochlasitis, George J.
APPLICANT: Blair, Donald G.
APPLICANT: Fisher, Robert J.
APPLICANT: Beal Jr., Gregory J.
APPLICANT: Adams, Meropel A.
APPLICANT: Sgouras, Dionysios N.
TITLE OF INVENTION: The ERF Genetic Locus and Its Products
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: PC-DOS/MS-DOS
CURRENT APPLICATION RELEASE #1.0, Version #1.30
APPLICATION NUMBER: US/08/469/412A
FILING DATE: 05-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Garrett-Mackowski, Eugenia
REGISTRATION NUMBER: 37,330
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 78 amino acids
TYPE: amino acid
STRANDEDNESS: 1
TOPOLOGY: 1linear
MOLECULE TYPE: polypeptide
FEATURE: domain
NAME/KEY: Domain
LOCATION: 1..78
OTHER INFORMATION: /note- "ets-like ERF DNA-binding domain"

US-08-469-412A-10

Query Match Best Local Similarity 10.3%; Score 183.5; DB 2; Length 78;
Matches 40; Conservative 11; Mismatches 27; Indels 3; Gaps 3;

QY 251 LMQFKLLKPKHSPYRIRMLKNEKGIKRIEDSAQVARIKRNKPNAMNYDKLSIR 310
DB 1 LMHFTLTLRK-ETSYGVIAV-OQDGYEIVIKDPDEVARILMGVCKRPMNYDKLSIR 58
QY 311 QYKRGKIRKPDISOALTYOF 331
DB 59 YNNRILKTR-GRKFTYF 78

RESULT 12
US-08-469-412A-11
Sequence 11; Application US/08469412A
Patent No. 5856125
GENERAL INFORMATION:

APPLICANT: Mavrochlasitis, George J.
APPLICANT: Blair, Donald G.
APPLICANT: Fisher, Robert J.
APPLICANT: Beal Jr., Gregory J.
APPLICANT: Adams, Meropel A.
APPLICANT: Sgouras, Dionysios N.
TITLE OF INVENTION: The ERF Genetic Locus and Its Products
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: MS-DOS/Windows
CURRENT APPLICATION RELEASE #1.0, Version #1.30
APPLICATION NUMBER: US/08/469/412A
FILING DATE: 05-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Garrett-Mackowski, Eugenia
REGISTRATION NUMBER: 37,330
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 78 amino acids
TYPE: amino acid
STRANDEDNESS: 1
TOPOLOGY: 1linear
MOLECULE TYPE: polypeptide
FEATURE: domain
NAME/KEY: Domain
LOCATION: 1..78
OTHER INFORMATION: /note- "ETS1 homologous region to ets-like ERF DNA-binding domain"

Query Match Best Local Similarity 10.3%; Score 183.5; DB 2; Length 78;
Matches 42; Conservative 8; Mismatches 28; Indels 3; Gaps 3;

QY 251 LMQFKLLKPKHSPYRIRMLKNEKGIKRIEDSAQVARIKRNKPNAMNYDKLSIR 310

Db 1390 VPOLLID---PAANDRGESDG-----PADEESGECEGEDEGEDEFGAGGAGMG----- 1436
 Qy 260 LKPSHYGFTIRMLNKGIFIKIEDSAQVLAWM 291
 Db 1436 -PSSVSGSLAASSSSORGEFLESDSVSYVFW 1466

RESULT 15

US-08-700-607-5
 : Sequence 5, Application US/08700607
 : Patent No. 5858708
 : GENERAL INFORMATION:
 : INVENTOR: Hillman, Jennifer L.
 : APPLICANT: Hillman, Jennifer L.
 : APPLICANT: Hillman, Jennifer L.
 : APPLICANT: Hillman, Jennifer L.
 : TITLE OF INVENTION: TWO NOVEL HUMAN NSP-LIKE PROTEINS
 : NUMBER OF SEQUENCES: 9
 : CORRESPONDENCE ADDRESS:
 : ADDRESSEE: Incyte Pharmaceuticals, Inc.
 : STREET: 3174 Porter Drive
 : CITY: Palo Alto
 : STATE: CA
 : COUNTRY: U. S.
 : ZIP: 94304
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Diskette
 : COMPUTER: IBM Compatible
 : OPERATING SYSTEM: DOS
 : SOFTWARE: J-FAST Version 1.5
 : CURRENT APPLICATION DATA:
 : APPLICATION NUMBER: US/08/700,607
 : FILING DATE: Filed Herewith
 : ATTORNEY/AGENT INFORMATION:
 : NAME: Billings, Lucy J.
 : REGISTRATION NUMBER: 36,749
 : REGISTRATION/DOCKET NUMBER: PF-0114 US
 : TELEPHONE/CABLE NUMBER:
 : TELEPHONE: 415-855-0553
 : TELEFAX: 415-845-4166
 : INFORMATION FOR SEQ ID NO: 5:
 : SEQUENCE CHARACTERISTICS:
 : LENGTH: 776 amino acids
 : TYPE: amino acid
 : STRANDEDNESS: single
 : TOPOLOGY: linear
 : MOLECULE TYPE: peptide
 : IMMEDIATE SOURCE:
 : LIBRARY: GenBank
 : CLONE: 307307
 : US-08-700-607-5

Query Match 5.48; Score 96; DB 2; Length 776;
 Best Local Similarity 25.18; Identity 93.54; 90; Mismatches 17;

Matches 67; Conservative 34; Mismatches 90; Indels 76; Gaps 17;
 Qy 2 GSASFGISS---VSPSHLLPPDVSRGTLEKAAAGAVL-ERRDWSPPATPEQGLS 56
 Db 45 GEPSTGIGARAREAPASREAGSGPAROSPAMETASTGACVSSAMDTFS--TTSKDEG 102
 Qy 57 AFYLSYF-DMLXP--EDSSR-----AKAPGASSREPEPEPCPVDSQAPAGSLDVP 109
 Db 103 SCYTSILSDICYPPDSDSTFTGILCKENGHTVISEPSE-----LGTFSPLDVP 154
 Qy 110 G---GGLTLEHSLSD--VQSMVGEVLADIETACKLINTADPMQSPSPVOKMLMT- 163
 Db 135 GIESRGLFSGSDSGLIEMTASTEVNKL-----ADPLDQMAEAKYKIDYR 201
 Qy 163 -----EHOYELPBMGAKOPELAGETL-----CAMSEDFNO---RSLIGEVLLAHLD 207
 Db 202 PEVYKQDEQHP-----ELENDLDFKMKDTDISIKPEQYHEBDRKAPVSGMKINDHL- 255

Qy 208 TKSMANKERT-SGRAIRCASTSEE 233
 Db 225 -----LESTYAP---YIDDLSEE 270

Search completed: November 21, 1999, 11:10:46
 Job time: 5084 sec

GenCore version 4.5
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OM protein - protein search, using 8w model

Run on: November 21, 1999, 09:46:02 ; Search time 12.61 seconds
(without alignments)
308,925 Million cell updates/sec

Title: US-08-126-945-2

Perfect score: 1785
Sequence: 1 MGSASFGLSVSPSHLLLP.....GIIRKPDLSHLYOVFHPH1 335

Scoring table: BLOSUM62

Searched: 122436 seqs, 11628473 residues

Database: 1: /cgn2.6/pdatabase/1/aa/5A.COMB.pep.*
2: /cgn2.6/pdatabase/1/aa/5B.COMB.pep.*
3: /cgn2.6/pdatabase/1/aa/PCUT93.COMB.pep.*
4: /cgn2.6/pdatabase/1/aa/backfiles1.pep.*

Fred. No. 18 is the number of results predicted by chance to have a
perfect score. The probability of the results being printed
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	263.5	14.7	581	1	US-08-368-281-4
2	242	13.6	521	1	US-08-368-281-2
3	240.5	13.5	371	1	US-08-768-789A-2
4	236.5	13.2	80	2	US-08-469-412A-15
5	224	12.5	555	2	US-08-780-835B-2
6	219	12.3	79	2	US-08-469-412A-12
7	209.5	11.7	78	2	US-08-469-412A-13
8	196	11.0	81	2	US-08-469-412A-14
9	184.5	10.9	548	2	US-08-469-412A-2
10	183.2	10.3	78	2	US-08-469-412A-10
11	182.5	10.2	78	2	US-08-469-412A-11
12	182.5	10.2	78	2	US-08-469-412A-11
13	136	7.6	81	2	US-08-469-412A-16
14	99	5.5	1618	1	US-07-853-913-4
15	96	5.4	776	2	US-08-700-607-5
16	90	5.0	2035	1	US-08-046-585-5
17	90	5.0	2035	1	US-08-393-703-5
18	90	5.0	2035	1	US-08-393-703-5
19	89.5	5.0	852	3	PCUT-0593-03512-5
20	89.5	4.9	1711	2	US-08-342-930-2
21	89.5	4.8	1805	1	US-07-863-913-2
22	86.5	4.7	821	1	US-07-935-311A-4
23	86.5	4.7	821	1	US-08-368-079-4
24	84.5	4.7	821	3	PCUT-0593-07996-4
25	84.5	4.7	731	2	US-08-439-499-15
26	83.5	4.7	731	2	US-08-439-499-15
27	83.5	4.7	731	2	US-08-439-499-15
28	83.5	4.7	731	2	US-08-439-499-15
29	83.5	4.7	731	2	US-08-439-499-15
30	83.5	4.7	731	2	US-08-439-499-15
31	82	4.6	343	2	US-08-856-444-2
32	82	4.6	343	2	US-08-856-444-2
33	80	4.5	1257	1	US-08-340-428B-49
34	80	4.5	1247	2	US-08-472-931-10
35	79.5	4.5	2414	1	US-08-323-460A-10
36	79.5	4.5	2414	1	US-08-323-460A-10
37	79.5	4.5	2414	1	US-08-323-460A-10
38	79.5	4.5	2414	1	US-08-323-460A-10
39	78	4.4	460	1	US-08-502-655-1

40 77.5 4.3 902 1 US-08-396-479B-6 Sequence 6, App1
41 77.5 4.3 902 1 US-08-818-823-6 Sequence 6, App1
42 77.5 4.3 693 2 US-08-380-403A-2 Sequence 2, App1
43 77.5 4.3 693 2 US-08-380-403A-5 Sequence 5, App1
44 77.5 4.3 1481 2 US-08-616-844-40 Sequence 40, App1
45 77.5 4.3 1481 2 US-08-599-654-40 Sequence 40, App1

ALIGNMENTS

RESULT 1
US-08-368-281-4
Sequence 4, Application US/08168281
Patent No. 5721113
GENERAL INFORMATION:
APPLICANT: Olsbergmann, Towle & Associates, Inc.
APPLICANT: Olsbergmann, Towle & Associates, Inc.
TITLE OF INVENTION: NERF Genes
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Smithline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: Pennsylvania
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: 08/08/368,281
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Baumeister, Kirk
REGISTRATION NUMBER: 33,833
TELEPHONE: 610-270-5096
TELEFAX: 610-270-5096
INVENTOR INFORMATION:
NAME: Baumeister, Kirk
LENGTH: 581 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-368-281-4

Query Match 14.7% Score 263.5 DB: 1 Length 581:
Best Local Similarity 25.2% Pctd No 1 7e-17
Matches 83; Conservative 57; Mismatches 108; Indels 87; Gaps 10:

QY 26 TGLKAAAGVGLRRD-----WSPSPATPEQGLASVLYSFQMLY -PESSMA 75
DB 11 TLELSSNGVNEQSDSRSEVPVTPVPSARLEQGAAGVGYDDETYLMDQVAV--- 68
QY 76 KAPGASNEPPEPQCPYDS-----QAPGSLDLYVGLTLESHLD 121
DB 68 -----EDGVEYENAEVAKVSHSNACIDTITENKALHESPTCLADSRPER 119
QY 122 VQSVVGVGLKEDIEACKLINTADPMQMSVQKMLWTEHQYRLPMPKAFQELAG 181
DB 120 IHAAMPVPI--TEVVEVSETEEPDQTS-----IFSPDSEHPMKK 162
QY 182 ELCAWSEDFQSPSLGQVLAHLDIRKSNAMNERTSPGAIHYCASTSESWTDSVD 241
DB 163 K---VARKKQDQSPISNG-----SPELQIKKPRGQ----- 192
QY 242 SSCGGPHILMGPILKELLKPSHGFIPLMKNKGFIKEDISQVAAVLQCIKKRRAMN 301

Db 192 ---KNTTYLMEFLLDLODKNTCPRIKMTORREKIFRVLDSKAVSLMGNKKNKPFDM 248
 QY 302 YDKLSRSIROYKGIIRKIPDISORLYOYF 331
 Db 249 YETMRALRYNGILAKVE--GORLYOYF 277

RESULT 2

US-08-368-281-2
 ; Sequence 2, Application us/08368281
 ; Patent No. 5721113
 ; GENERAL INFORMATION:
 ; APPLICANT: LIDEMANN, TOWIA A
 ; APPLICANT: KUNSEHL, CHRISTA A
 ; APPLICANT: KUNSEHL, CHRISTA A
 ; TITLE OF INVENTION: NERF GENES
 ; NUMBER OF SEQUENCES: 9
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: SmithKline Beecham Corporation
 ; STREET: 709 Swedeland Road
 ; STATE: King of Prussia
 ; STATE: Pennsylvania
 ; COUNTRY: USA
 ; ZIP: 19406
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; OPERATING SYSTEM: IBM PC compatible
 ; SOFTWARE: PC-DOS/MS-DOS
 ; CURRENT APPLICATION DATA:
 ; FILING DATE: us/08/368/281
 ; CLASSIFICATION: 424
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Baumstieger, Kirk
 ; REGISTRATION NUMBER: 833
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 610-270-5096
 ; TELEFAX: 610-270-5096
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 521 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-368-281-2

Query Match 13.6%: Score 242; DB 1; Length 521;
 Best Local Similarity 25.3%: Pred. No. 1,4e-15;

Matches 65; Conservative 45; Mismatches 72; Indels 78; Gaps 8;

QY 99 GMPAGSLDVGGLTLEHS-----LEQVSAPVE---VKD----- 134
 Db 7 EGTNOLLDIRAVEASVSNACIDTIEALEAFILHESPTCLDNRBPERTHAAMP 66
 QY 134 ---LETRCKLNTADPMQSPSNVOKLMTNHOYLPMPKAPFELAKETLCMEEQ 190
 Db 67 EVITTEVAVSIESEPMDSF-----LETPSHHPKPKK---VRRNP 108
 QY 191 FQRRSLGQVLAHLDIRKSNAMKERTSPAHITCASTSESWTIDVSSCSGPIH 250
 Db 109 KTOQSPISNG-----SPELGKPKKREG-----KNTTY 137
 QY 251 LMOPLLELLKPSHYGFTIRLNKGGFRTIEDSVOYALNGIRKKNRPAANTDKLSRSR 310
 Db 138 LMRLELIDLIDKNTCPRIKMTORREKIFRVLDSKAVSLMGNKKNKPFDM 197
 QY 311 OYKXGIIIRKIPDISORLYOYF 331
 Db 198 YYORGLIAKVE--GORLYOYF 217

RESULT 3
 US-08-746-789A-2
 ; Sequence 2, Application us/08746789A
 ; Patent No. 5789200
 ; GENERAL INFORMATION:
 ; APPLICANT: ISMAIL, KOLA, MARIE J. TYMMS, CHRISTINE DEBROCK
 ; TITLE OF INVENTION: A No. 5789200el Human ETS Family Member, E1F3
 ; NUMBER OF SEQUENCES: 4
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: SmithKline Beecham Corporation
 ; STREET: 709 Swedeland Road, P.O. Box 1539
 ; CITY: King of Prussia
 ; STATE: PA
 ; COUNTRY: USA
 ; ZIP: 19406-0939
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 Mb STORAGE
 ; OPERATING SYSTEM: WINDOWS FOR WORKGROUPS
 ; SOFTWARE: SYMBIOSIS FORD
 ; CURRENT APPLICATION DATA:
 ; FILING DATE: No. 5789200el 15, 1996
 ; CLASSIFICATION: 514
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: William T. Han
 ; REGISTRATION NUMBER: 34,344
 ; REFERENCE/DOCKET NUMBER: ATG 50024
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 610 970 5219
 ; TELEFAX: 610 970 0020
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 371
 ; TYPE: Amino Acid
 ; TOPOLOGY: Linear
 ; US-08-746-789A-2

Query Match 13.5%: Score 240.5; DB 2; Length 371;
 Best Local Similarity 22.4%: Pred. No. 1,2e-15;

Matches 87; Conservative 55; Mismatches 95; Indels 151; Gaps 15;

QY 55 LSAFLSYFDMLYPEDSSMAARAPASSKEEPEDECCVIDSQAPGSDLYVGGLTI 114
 Db 7 LSIATISNTSNTSSSDSTIASVPAHITFAD-----DLV---LTL 44
 QY 115 E--EHSLEQVO--SMVYGVYLDIETRAKLLITADPMQSPSNVOKLIR--TEHQIRLP 169
 Db 45 SNQMSLEGTREKASMTGE-----QOPWAKTQVLMISIOYERKTKDAS 88
 QY 170 PMKAPFELAKETLCMEEQFR--ORSPVAGDVTYAHN--DIRKSA---AMW----- 216
 Db 89 AIDSRCDQDNTLCALDELTALVGPFL--QDQLHAQRLDTSSSDLELSWITELERKG 147
 QY 216 ---KEFRSPGAIHYCASTSESWTIDVSSCSG-----SCS----- 246
 Db 148 MAFQALDPCFPQDSPPAQLTDLDDQQAQSPHYPSGSGAGAPSGSSOYSTACTAARRS 207
 QY 246 ---GQP-----GQP----- 249
 Db 208 HSSDGSQVDLPDQKLPFGDGFQCKKQDKRKRKGRPRKLSREWDCLEGKKK 267
 QY 249 -----IHMOPLLELLKPSHYGFTIRLNKGGFRTIEDSVOYALNGIRKKNRPAANTD 303
 Db 268 HAPSGITLMEFTIDILHPELMEDIKKNENHEGVYFRLSGAVSLMGNKKNKSNNTTE 327
 QY 304 KLSRSIROYKGIIRKIPDISORLYOYF 331

Db 328 KLSRAMHYKKRELEVD-GRLVYHF 354

RESULT 4

US-08-469-412A-15

Sequence 13545825

Best Local Similarity 53.1%: Pred. No. 2,8e-16;

Matches 43: Conservative 16; Mismatches 21; Indels 1; Gaps 1;

GENERAL INFORMATION:

APPLICANT: Mavothlasaltis, George J.

APPLICANT: Blair, Donald G.

APPLICANT: Fisher, Robert J.

APPLICANT: Beal Jr., Gregory J.

APPLICANT: Athanasios, Metrop. A.

APPLICANT: Siqueras, Dionysios N.

SEQUENCE TYPE: The ER Genetic Locus and Its Products

CORRESPONDENCE ADDRESS:

ADDRESSEE: Townsend and Townsend and Crew LLP

STREET: Two Embarcadero Center, Eighth Floor

CITY: San Francisco

STATE: California

COUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/469,412A

FILED DATE: 05-JUN-1995

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Eugene

REGISTRATION NUMBER: 37,330

REFERENCE/DOCKET NUMBER: 015280-229000

TELECOMMUNICATION INFORMATION:

TELEPHONE: (415) 576-0200

TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:

LENGTH: 80 amino acids

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

FEATURE:

NAME/KEY: Domain

LOCATION: 1..80

OTHER INFORMATION: /note= "E74 homologous region to

OTHER INFORMATION: ets-like BRF DNA-binding domain"

US-08-469-412A-15

Query Match 13.2%: Score 236.5; Db 2; Length 80;

Best Local Similarity 53.1%: Pred. No. 2,8e-16;

Matches 43: Conservative 16; Mismatches 21; Indels 1; Gaps 1;

Db 231 LMOFELLKLLPHSYGREFIRMLNKKSEIFRIDSQAVALRMGRNRPANPDLSRSIR 310

1 LMFELLLADREYCEPFLTKMTREKGVFLVDSKAVSLMGHRRKPKDMNLETMRALR 60

Qy 311 QYKKGGIIRPDISQRLYQF 331

Db 61 YYYGGLAKVD-GQRLVYHF 80

RESULT 5

US-08-780-835B-2

Sequence 2: Application US/08/80835B

Patent No. 5,322,688

SEQUENCE TYPE: The ER Genetic Locus and Its Products

CORRESPONDENCE ADDRESS:

ADDRESSEE: Arnold, White and Durkee

STREET: 10000 West 4th Street, Suite 443

CITY: Houston

STATE: Texas

COUNTRY: USA

ZIP: 77210-4433

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/780,835B

FILED DATE: 10-JAN-1997

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:

NAME: Wilson, Mark B.

REGISTRATION NUMBER: 37,259

REFERENCE/DOCKET NUMBER: 015C5500

TELECOMMUNICATION INFORMATION:

TELEPHONE: (512) 418-3000

TELEFAX: (512) 474-7577

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 555 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

US-08-780-835B-2

Query Match 12.5%: Score 224; Db 2; Length 555;

Best Local Similarity 23.8%: Pred. No. 9.3e-14;

Matches 117: Conservative 38; Mismatches 128; Indels 208; Gaps 24;

Db 12 SPESHLLPDTVYST-----GLEKAAAGVGLERR-----PAYD 97

Db 40 SPESHLEPPAPADYPCGVASANGCPGVGSGHRRKMGYLDQRYPTTCSPG 99

Qy 42 -----DMSPPATPP-----GGLSAPYLSYFDMLPDESSNAKA----- 78

Db 100 NSGLALAVYPGKLDPGSLPSPDSSEDLFDLSHF-----QETWLAQVPS 148

Qy 78 -----PASSREPP-----SEPEC----- 97

Db 149 DEQVDFHSENLAFHSPTTRIKKEPSPRDPALSCSRKPLPHNGDQVSLQIAIK 208

Qy 98 SQAPGSLDLYPGCLTEHNS-LEVDQSYNGEYKLDLETNCKLL-----NITADPPQSP 152

Db 209 SRAPG-----APGSPLOPSPSRADQDQSLVLRSSSSQHGNGYLGHSVYQOPVDIC- 263

Qy 133 SNVQWMLTHEQYRLP-----PYGAKVQELAGKELCANGSEQPPOR----- 195

Db 263 -----HSFTSPGSGRPPPLPAPHQSLSEFCPPPOONKQEVHDPYLEQAGP 311

Qy 195 -SPFGCVLAHLIDIKSAMMKETS-----PCALHYCAST-----SEESWTSE 239

Db 312 ASAGQG--VSGHRRPAGAVYVIGEDTDFATDSVFG--CASKYLLPFGTSGRSGQDQV 365

Qy 240 V-----DSSC-----SGQP-----THMQLEKLLKP 282

Db 366 MGYGERSLRPPDDVCVPRKFEEDIKQEGAFREGPPYORGLATLMQFLVALLDLP 425

Qy 263 HSYGFEIRMLNKKGI-FRIDSQAVALRMGRNRPANPDLSRSIRSYKKGIIRKP 321

Db 426 -THAFETANTG--RGHEFLRLIEPVALRMGLGIONNRPANPDLSRLITTEGIMQNV 482

Qy 322 DISQSLQYQFV 332

Db 483 - AGERYKKEV 492

RESULT 6

US-08-469-412A-12
Sequence 12, Application US/08469412A
Patent No. 5856125

GENERAL INFORMATION:
APPLICANT: MayoChlaasitts, George J.

APPLICANT: Blair, Donald G.

APPLICANT: Fisher, Robert J.

APPLICANT: Best Jr., Gregory J.

APPLICANT: Athanasios N.

APPLICANT: Sgouras, Dionysios N.

TITLE OF INVENTION: The ERF Genetic Locus and Its Products

NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP

CITY: San Francisco

STATE: California

COUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: IBM PC compatible

SOFTWARE: PC-DOS/MS-DOS

REFERENCE/DOCUMENT NUMBER: 015280-229000

TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200

TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 12:

SEQUENCE CHARACTERISTICS:

LENGTH: 179 amino acids

STRANDEDNESS: acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

FEATURE:
NAME/KEY: Domain

LOCATION: 1..79

OTHER INFORMATION: /note="Erfk homologous region to

OTHER INFORMATION: ets-like ERF DNA-binding domain"

US-08-469-412A-12

Query Match 12.3% Score 219; DB 2; Length 79;

Best Local Similarity 53.1%; Pred. No. 1,46-14;

Matches 43; Conservative 14; Mismatches 22; Indels 2; Gaps 2;

Db 251 LMQFLKELLKPHSTGFRIFMLNKEGIFKIEDSAQVARLWGIKKRRPANNYDKLSRSIR 310

1 LMQFLUQ-LMEQGNHISMTSGGEFKLVDAESAVKLMGLKKNKNMYDKLSRALR 59

QY 311 OYKKGIKKRPDISORLYOF 331

DB 60 YYDKNIRKVS-QQFYK 79

RESULT 7

US-08-469-412A-13
Sequence 13, Application US/08469412A
Patent No. 5856125
GENERAL INFORMATION:
APPLICANT: MayoChlaasitts, George J.

APPLICANT: Blair, Donald G.

APPLICANT: Fisher, Robert J.

APPLICANT: Best Jr., Gregory J.

APPLICANT: Athanasios N.

APPLICANT: Sgouras, Dionysios N.

TITLE OF INVENTION: The ERF Genetic Locus and Its Products

NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP

CITY: San Francisco

STATE: California

COUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: IBM PC compatible

SOFTWARE: PC-DOS/MS-DOS

REFERENCE/DOCUMENT NUMBER: 015280-229000

TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200

TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 13:

SEQUENCE CHARACTERISTICS:

LENGTH: 78 amino acids

STRANDEDNESS: acid

TOPOLOGY: linear

FEATURE:
NAME/KEY: Domain

LOCATION: 1..78

OTHER INFORMATION: /note="Peas homologous region to

OTHER INFORMATION: ets-like ERF DNA-binding domain"

US-08-469-412A-13

Query Match 11.7% Score 209.5; DB 2; Length 78;

Best Local Similarity 56.1%; Pred. No. 1,2e-13;

Matches 46; Conservative 13; Mismatches 18; Indels 5; Gaps 4;

Db 251 LMQFLKELLKPHSTGFRIFMLNKEGIFKIEDSAQVARLWGIKKRRPANNYDKLSRSIR 309

1 LMQFLVLLDDP-TNAFLIATG--KQGFILIEPEVAKLMGLKKNKNMYDKLSRALR 57

QY 310 RQYKGGIRKRPDISORLYOF 331

DB 58 RYYKGIQKQV-AGERYKKEV 78

RESULT 8

US-08-469-412A-14
Sequence 14, Application US/08469412A
Patent No. 5856125
GENERAL INFORMATION:
APPLICANT: MayoChlaasitts, George J.

APPLICANT: Blair, Donald G.

APPLICANT: Fisher, Robert J.

APPLICANT: Best Jr., Gregory J.

APPLICANT: Athanasios N.

APPLICANT: Sgouras, Dionysios N.

TITLE OF INVENTION: The ERF Genetic Locus and Its Products

NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP

CITY: San Francisco

STATE: California

COUNTRY: USA

ZIP: 94111-3834

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

OPERATING SYSTEM: IBM PC compatible

SOFTWARE: PC-DOS/MS-DOS

REFERENCE/DOCUMENT NUMBER: 015280-229000

TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200

TELEFAX: (415) 576-0300

INFORMATION FOR SEQ ID NO: 13:

SEQUENCE CHARACTERISTICS:

LENGTH: 78 amino acids

STRANDEDNESS: acid

TOPOLOGY: linear

FEATURE:
NAME/KEY: Domain

LOCATION: 1..78

OTHER INFORMATION: /note="Peas homologous region to

OTHER INFORMATION: ets-like ERF DNA-binding domain"

US-08-469-412A-13

Query Match 11.7% Score 209.5; DB 2; Length 78;

Best Local Similarity 56.1%; Pred. No. 1,2e-13;

Matches 46; Conservative 13; Mismatches 18; Indels 5; Gaps 4;

Db 251 LMQFLKELLKPHSTGFRIFMLNKEGIFKIEDSAQVARLWGIKKRRPANNYDKLSRSIR 309

1 LMQFLVLLDDP-TNAFLIATG--KQGFILIEPEVAKLMGLKKNKNMYDKLSRALR 57

QY 310 RQYKGGIRKRPDISORLYOF 331

DB 58 RYYKGIQKQV-AGERYKKEV 78

```

STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIAN TYPE: floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,412A
FILING DATE: 05-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Garrett-MacKowsky, Eugene
REGISTRATION NUMBER: 37,330
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 81 amino acids
STANDARD: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Domain
LOCATION: 1..81
OTHER INFORMATION: /note="Yan homologous region to
OTHER INFORMATION: ets-like ERF DNA-binding domain"
US-08-469-412A-14

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Query Match 11.0%; Score 196; DB 2; Length 81;
Best Local Similarity 47.6%; Pred. No. 2,6e-12;
Matches 39; Conservative 16; Mismatches 25; Indels 2; Gaps 2;

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Oy 231 LWQFLKELLKPHSYGRFRIMLNKRGFKIEDSDAVARLWGIKKRPANMYDRLKRSI 309
Db 1 LWFQQLLDNDKNDKSLDLMKACDGVFKIVDAGLAKLWIKNLSNATDKMSRSL 60
Oy 310 ROYKKGIRKRPDISGRLYOVF 331
Db 61 RYRYVNIIRKYO-GERHCYOF 81

```

```

RESULT 9
US-08-469-412A-2
Sequence 7, Application US/08469412A
Patent No. 5856125
GENERAL INFORMATION:
APPLICANT: Mavrothalassitis, George J.
APPLICANT: Blair, Donald G.
APPLICANT: Fisher, Robert J.
APPLICANT: Beal J.F., Gregory J.
APPLICANT: Adamason, Metropi A.
APPLICANT: Sourdis, Dionysios N.
TITLE OF INVENTION: The ERF Genetic Locus and Its Products
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIAN TYPE: floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS

```

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SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,412A
FILING DATE: 05-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Garrett-MacKowsky, Eugene
REGISTRATION NUMBER: 37,330
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 48 amino acids
STANDARD: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-469-412A-2

```

```

Query Match 10.9%; Score 194.5; DB 2; Length 548;
Best Local Similarity 47.3%; Pred. No. 7.1e-11;
Matches 43; Conservative 13; Mismatches 32; Indels 3; Gaps 3;

```

```

Oy 241 DSCSGQPIHLMQPLKELIKPHSYGRFRIMLNKRGFKIEDSDAVARLWGIKKRPAN 300
Db 19 ESSPSGQPIHLMQPLKELIKPHSYGRFRIMLNKRGFKIEDSDAVARLWGIKKRPAN 76
Oy 301 NYDKLSIRQYKKGIRKRPDISGRLYOVF 331
Db 77 NYDKLSLRIRYKRIKRLKTR-CGRTRYKF 106

```

```

RESULT 10
US-08-469-412A-7
Sequence 7, Application US/08469412A
Patent No. 5856125
GENERAL INFORMATION:
APPLICANT: Mavrothalassitis, George J.
APPLICANT: Blair, Donald G.
APPLICANT: Fisher, Robert J.
APPLICANT: Beal J.F., Gregory J.
APPLICANT: Adamason, Metropi A.
APPLICANT: Sourdis, Dionysios N.
TITLE OF INVENTION: The ERF Genetic Locus and Its Products
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIAN TYPE: floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,412A
FILING DATE: 05-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Garrett-MacKowsky, Eugene
REGISTRATION NUMBER: 37,330
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 543 amino acids

```

TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURES:
NAME/KEY: Protein
LOCATION: 1..543
OTHER INFORMATION: /note- "murine ERF amino acid sequence
OTHER INFORMATION: (first 8 amino acids from first exon not
US-08-469-412A-7 included)"
Query Match 10.98: Score 194.5; DB 2; Length 543;
Best Local Similarity 47.38; Pred. No. 4,2e-11;
Matches 43: Conservative 13; Mismatches 32; Indels 3; Gaps 3;
QY 241 DSSGSGPILHNOFLKPHSYGRFIMLNKEGIKEDSQAVARLMDIKRNPAM 300
DB 11 ESSSGSROLDLWHLLELLRK-BEYGVYVM-QSDYGEFVKKDPDVARLMDGVKCKPDM 68
QY 301 MYSKRSIRYKTKKIKRFDISORLYOF 331
DB 69 NYKSRALVYIKKRIKTKR-GKRFYKF 98
RESULT 11
US-08-469-412A-10
Sequence 10: Application US/08469412A
Patent No. 5856125
GENERAL INFORMATION:
APPLICANT: Mavrothalassitis, George J.
APPLICANT: Blair, Donald G.
APPLICANT: Fisher, Robert J.
APPLICANT: Beal Jr., Gregory J.
APPLICANT: Athanasios, Meropi A.
APPLICANT: Athanasios, Dionysios N.
TITLE OF INVENTION: The ERF genetic locus and its products
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA: /08/469/412A
FILING DATE: 05-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Garrett-Mackowski, Eugenia
REGISTRATION NUMBER: 37,330
REFERENCE/DOCKET NUMBER: 01580-229000
TELEPHONE: (415) 576-0300
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 78 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURES:
NAME/KEY: Domain
LOCATION: 1..78
OTHER INFORMATION: /note- "ets-like ERF DNA-binding domain"

US-08-469-412A-10
Query Match 10.98: Score 183.5; DB 2; Length 78;
Best Local Similarity 49.48; Pred. No. 4,2e-11;
Matches 40: Conservative 11; Mismatches 27; Indels 3; Gaps 3;
QY 231 LMOFLKELLKPHSYGRFIMLNKEGIKEDSQAVARLMDIKRNPAMYDKLSRIR 310
DB 1 LWHFLLELLRK-BEYGVYVM-QSDYGEFVKKDPDVARLMDGVKCKPDMNYDKLSRALR 58
QY 311 OYKKKIKRKPDISORLYOF 331
DB 59 YYNKRILKTKR-GKRFYKF 78
RESULT 12
US-08-469-412A-11
Sequence 11: Application US/08469412A
Patent No. 5856125
GENERAL INFORMATION:
APPLICANT: Mavrothalassitis, George J.
APPLICANT: Blair, Donald G.
APPLICANT: Fisher, Robert J.
APPLICANT: Beal Jr., Gregory J.
APPLICANT: Athanasios, Meropi A.
APPLICANT: Athanasios, Dionysios N.
TITLE OF INVENTION: The ERF genetic locus and its products
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA: /08/469/412A
FILING DATE: 05-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Garrett-Mackowski, Eugenia
REGISTRATION NUMBER: 37,330
REFERENCE/DOCKET NUMBER: 01580-229000
TELEPHONE: (415) 576-0300
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 78 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURES:
NAME/KEY: Domain
LOCATION: 1..78
OTHER INFORMATION: /note- "ETS1 homologous region to
US-08-469-412A-11 ets-like ERF DNA-binding domain"

Query Match 10.98: Score 182.5; DB 2; Length 78;
Best Local Similarity 51.98; Pred. No. 5,2e-11;
Matches 42: Conservative 8; Mismatches 28; Indels 3; Gaps 3;
QY 251 LMOFLKELLKPHSYGRFIMLNKEGIKEDSQAVARLMDIKRNPAMYDKLSRIR 310

Db 1 LMOFLLE-LTRDKSCOSFISMTG-DGWKFLSDPDEVARMRGKRNKPMKMYEKLNSCLR 58
Oy 311 QYKKGKIRKPDISOFLVYOF 331
Db 59 YYDKNLIHR-TAGKRYTRF 78

RESULT 13:
US-08-469-412A-16
Sequence 16, Application US/08469412A
Patent No. 5856125
GENERAL INFORMATION:
APPLICANT: Mavrothalasidis, George J.
APPLICANT: Blair, Donald G.
APPLICANT: Fisher, Robert J.
APPLICANT: Kinsler, Joseph J.
APPLICANT: Kinsler, Joseph J.
APPLICANT: Kinsler, Joseph J.
APPLICANT: Kinsler, Joseph J.
TITLE OF INVENTION: The ERF Genetic Locus and Its Products
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,412A
FILING DATE: 05-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Garrett-Mackowski, Eugene
REGISTRATION/DOCKET NUMBER: 37,330
REFERENCE/DOCKET NUMBER: 015280-229000
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 81 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURES:
NAME/KEY: Domain
LOCATION: 1-81
OTHER INFORMATION: /note="Pu.1 homologous region to
OTHER INFORMATION: ets-like ERF DNA-binding domain"
US-08-469-412A-16

Query Match 7.6% Score 136; DB 2; Length 81;
Best Local Similarity 38.1%; Pred. No. 26-06; Matches 6; Gaps 4;
Matches 32; Conservative 19; Mismatches 27; Indels 5

Oy 231 LMOFLLE-LTRDKSCOSFISMTG-DGWKFLSDPDEVARMRGKRNKPMKMYEKLNSCLR 307
Db 1 LMOFLLE-LTRDKSCOSFISMTG-DGWKFLSDPDEVARMRGKRNKPMKMYEKLNSCLR 59

Oy 308 SIROYKNGIIRKPDISOFLVYOF 331
Db 60 ALRNGATGEVAK-VNKKLLTOP 81

RESULT 14
US-07-853-913-4

Sequence 4, Application US/07853913
Patent No. 5318839
GENERAL INFORMATION:
APPLICANT: McKay, Ronald D.G.
APPLICANT: Lemahly, Urban
TITLE OF INVENTION: Nucleic Acid Expression As An Indicator of
TITLE OF INVENTION: Nucleic Acid Expression As An Indicator of
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Millita Drive
CITY: Lexington
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/853,913
FILING DATE: 19920319
PRIORITY INFORMATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/650,412
FILING DATE: 22-FEB-1991
APPLICATION NUMBER: US 07/603,803
FILING DATE: 25-OCT-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/201,762
FILING DATE: 02-JUN-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/180,548
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION/DOCKET NUMBER: 32,227
REFERENCE/DOCKET NUMBER: MIT-4641MAAA
TELEPHONE: 617-661-9540
TELEFAX: 617-661-9540
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 1618 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein
US-07-853-913-4

Query Match 5.5% Score 99; DB 1; Length 1618;
Best Local Similarity 21.7%; Pred. No. 0.86;
Matches 72; Conservative 38; Mismatches 110; Indels 112; Gaps 16;

Oy 19 PPDVTSRTGLEKAAAGAVGLERRD-----WSPSPPTPEGGLSAFYLYFMYLPDSD 71
Db 1188 PAVTIGHTSDAPSPVPGSEAEAEADPPVLVAPSPYTP-----ITLD- 1232

Oy 72 SNAKAPGSSREPPPEPQQPVYDSAPGSLD-----VPGCLLE-ENSLD 121
Db 1222 -----APGLQVADSGSHM--GVGRNLEAGVSESGEELSGSEITBDLDESGESHEE 1284

Oy 132 VQSWVGVETLDETICRLNLITADPMDH--SPSNVOKLMTHEHYRLPPGKAPDE- 178
Db 1285 SEDELDLTPD-----STPLGTYLRSPYSPT-----WPLESHGRLKTEGDE 1329

Oy 178 -----LA-----GELCANSEDFORNSPLG-----GD 200
Db 1330 WDPAYVLASGLLEPSEKEGESEEGEGDSDLEEFEDLGAFTLPQVGEVAPLQ 1389

Oy 201 YLAHNDIKSAMAKERTSPGATIHVCATJSESNYDSEVSDSCSOP--HINQFLKLL 259

Db 1390 VPOLLDD--PAMWDRESDS-----FADRESEGESEDOHREGRFAGNMG----- 1436

OY 260 LKPHSYRFRHMLKSKGFFIEDSAOVABLT 291

Db 1436 -POSSVGSIALSSORREBLESDSVSYVP 1466

RESULT 15

US-08-700-607-5

Sequence 5, Application US/08700607

Patent No. 5858708

GENERAL INFORMATION:

APPLICANT: Bandman, Olga

APPLICANT: Autoung, Aalice

APPLICANT: 00157348

TITLE OF INVENTION: TWO NOVEL HUMAN NSP-LIKE PROTEINS

NUMBER OF SEQUENCES: 9

CORRESPONDENCE ADDRESS:

ADDRESS: Incyte Pharmaceuticals, Inc.

STREET: 3174 Porter Drive

CITY: Menlo Alto

STATE: CA

COUNTRY: U.S.

ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: SAS/ISO Version 1.5

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/700,607

FILING DATE: Filed Herewith

ATTORNEY/AGENT INFORMATION:

NAME: Billings, Lucy J. 749

REGISTRATION NUMBER: 36,749

REGISTRATION NUMBER: PF-0114 US

TELEPHONE: 415-855-0555

TELEPHONE: 415-845-4166

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 776 amino acids

TYPE: amino acid

COMPLETENESS: single

TOPOLOGY:

MOLECULE TYPE: peptide

IMMEDIATE SOURCE:

LIBRARY: Genbank

US-08-700-607-5

Query Match 5.4%; Score 96; DB 2; length 776;
Best local similarity 25.1%; Id no. 0.54; 90; indels 76; gaps 17;

Matches 67; Conservative 34; Mismatches 33

OY 2 GSAPCLSS---VSPSHLLPPDYSRGLKRAAGVGL-ERRDMSPPATPEGLS 56

Db 45 GEPSPGLARARARASRENGSPAROSPVAWETASTGVAGSSANDHFFS--TTSKDGEG 102

OY 57 AFYLSYF-DMLYP--EDSN---AAKAPGASREPEPEPPDQCVYDSQAPAGSLDVP 109

Db 103 SQTSLASICTIPEDOSTITFTGLDKENGHTISSPEE-----LGTPEPSLDVP 154

OY 110 G---GLTLEHSLDQ--VDSWVGVGLKDIETACKLNTLTDMDMNSPSVOKLMT- 163

Db 155 GIESRGLTSSDSGIEMTPESTEVNKL-----ADPLDQKAKAYTIDTR 201

OY 163 ---EHOYRLPMPGKAFQELAKEL-----CAMSEDFRQ---NSPLGSGVLAHLD 207

Db 202 PEVYNHQDHP-----ELEKNDLDFKNKDDTISIRPGVAREPDKPAPEVGGKIIKDHL- 255

OY 208 IYKSAAMKERT-SPOAIFYCASTSEE 233

Db 255 -----LEESTNP-----TIDDLSEE 270

Search completed: November 21, 1999, 11:10:46
Job time: 5084 sec